

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF SAFE DRINKING WATER TECHNICAL REVIEW FORM

## FLUORIDATION (N.J.A.C. 7:10-11.15(f))

Water Purveyor		PWSID#	PWSID# Munici			
	mpound used for fluoridation:  Sodium fluoride  Sodium fluorosilicate  Fluorosilicic acid  Type of chemical feeding end of the property of the				nt:	
				YES	NO	N/A
1.	. Are the fluoridation units designed to maintain a finished water fluoride level between 0.8 and 1.2 mg/l at all points in the distribution system?					
2.	2. Are fluoridation chemicals stored in their original unopened containers or in corrosion resistant covered storage containers?					
3.	3. Has the Technical Review Form for Chemical handling and Feeding been prepared for the fluoridation feed?					
4.	Are gravimetric feeders mou	nted on appropriately designed v	weighing scales?			
5.	Are the following minimum dilution ratios and detention times provided?					
	Compound	Dilution Ratio	<u>Detention Time</u>			
	Sodium fluoride	12 gallons of water per pound of sodium fluoride	5 minutes			
	Sodium fluorosilicate	60 gallons of water per pound of sodium fluorosili	15 minutes cate			
6.	Is an antisiphon device provided to prevent siphonage of the solution?					
7.	7. Are floor surfaces adjacent to the feeders smooth and impervious and sloped towards adequate drains to permit hosing?					

		YES	NO	N/A				
8.	Will waste liquids or sludge from fluoride solution tanks be disposed of in accordance with applicable State and Federal law and regulations?							
9.	Where chemicals are being manually emptied into the treatment unit, is an exhaust fan with a minimum velocity of 200 feet per minute provided for dust control?							
10	10. Is vapor vented to the outside when fluorosilicic acid is handled and is the acid pumped through a closed system with an air inlet from the outside?							
11. Are rubber or neoprene gloves, hand washing facilities, and, where dry fluoride chemicals are handled, U.S. Bureau of Mines approved dust respirators provided?								
12. Are fluoride storage and feed equipment located in rooms separate from other treatment units and are said rooms secured against the entry of unauthorized persons?								
13.	Is a fluoride residual kit for routine sampling of fluoride content provided?							
***Submit appropriate engineering plans, specifications, reports, etc. to substantiate your answers. ***								
	ereby certify that answers provided herein are accurate and reflective of the project be proval.	ing con	sidered	for				
	ature of Engineer Date ssional Engineer's Embossed Seal		N.J.P.E. #					
Ту	pe or Print Name of Engineering Firm							

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